

BEST AVAILABLE COPY



U.S. Serial No. 10/696,709
(Edward W. MERRILL et al.)
RADIATION AND MELT TREATED ULTRA
HIGH MOLECULAR WEIGHT
POLYETHYLENE PROSTHETIC DEVICES
37697-0080

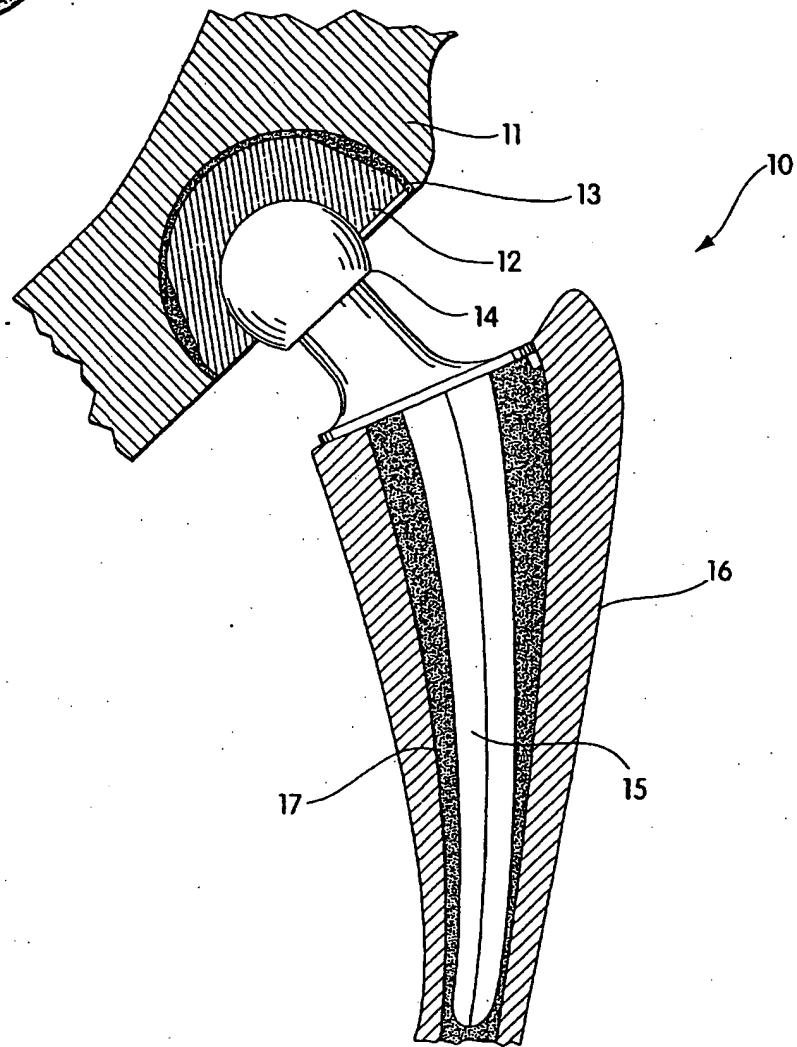


Fig. 1

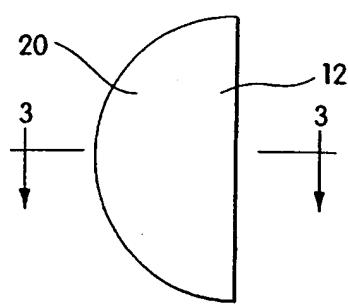


Fig. 2

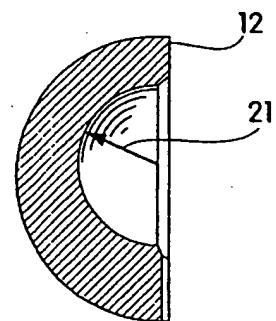


Fig. 3

U.S. Serial No. 10/696,709
(Edward W. MERRILL et al.)
RADIATION AND MELT TREATED ULTRA
HIGH MOLECULAR WEIGHT
POLYETHYLENE PROSTHETIC DEVICES
37697-0080

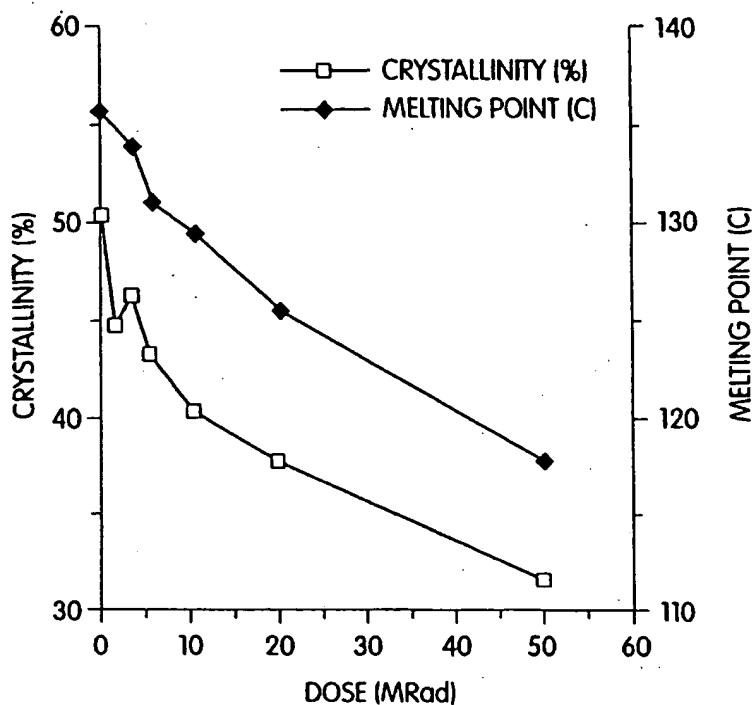


Fig. 4

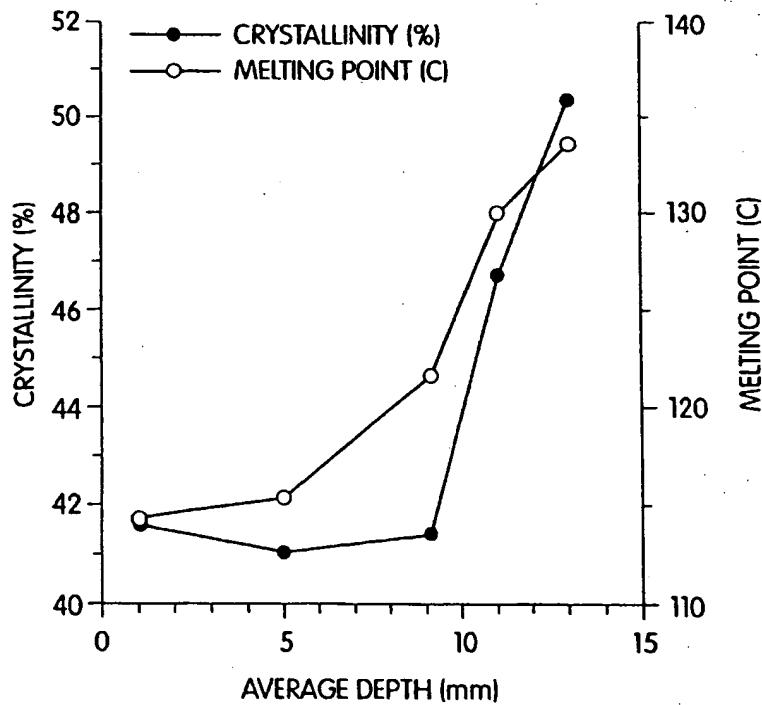


Fig. 7

BEST AVAILABLE COPY

U.S. Serial No. 10/696,709
(Edward W. MERRILL et al.)
RADIATION AND MELT TREATED ULTRA
HIGH MOLECULAR WEIGHT
POLYETHYLENE PROSTHETIC DEVICES
37697-0080

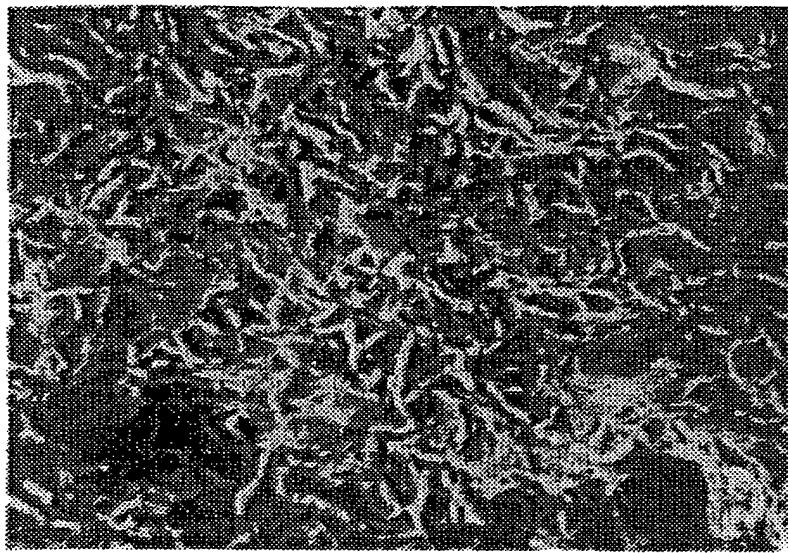


Fig. 5

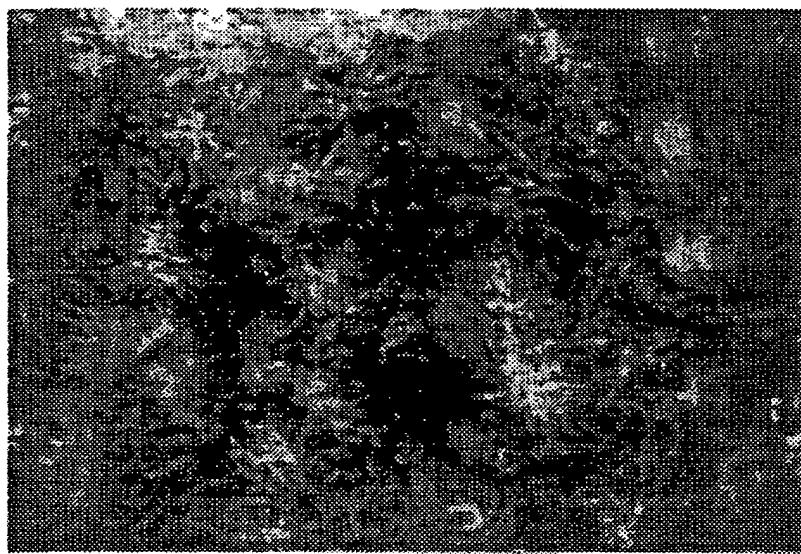
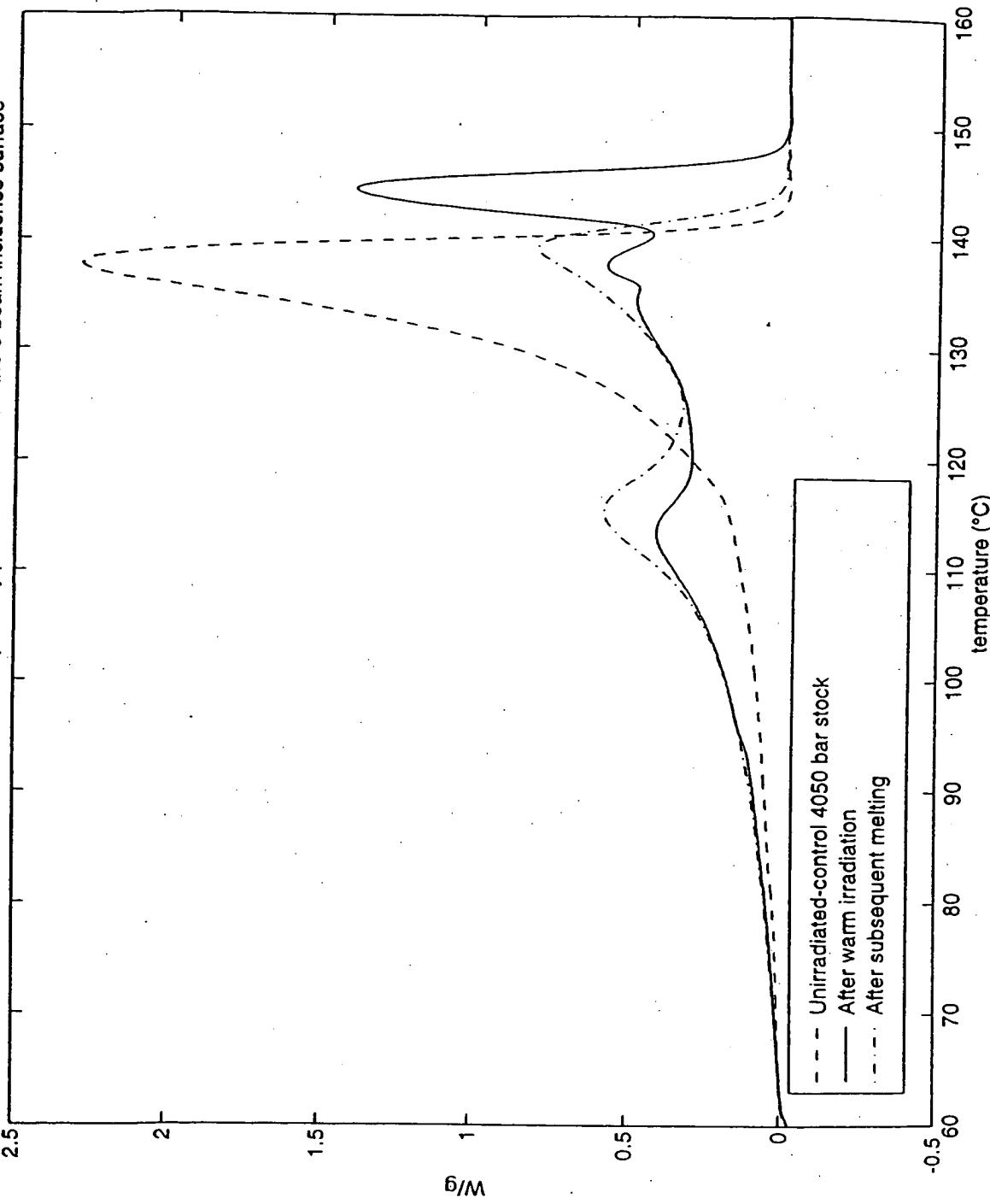


Fig. 6

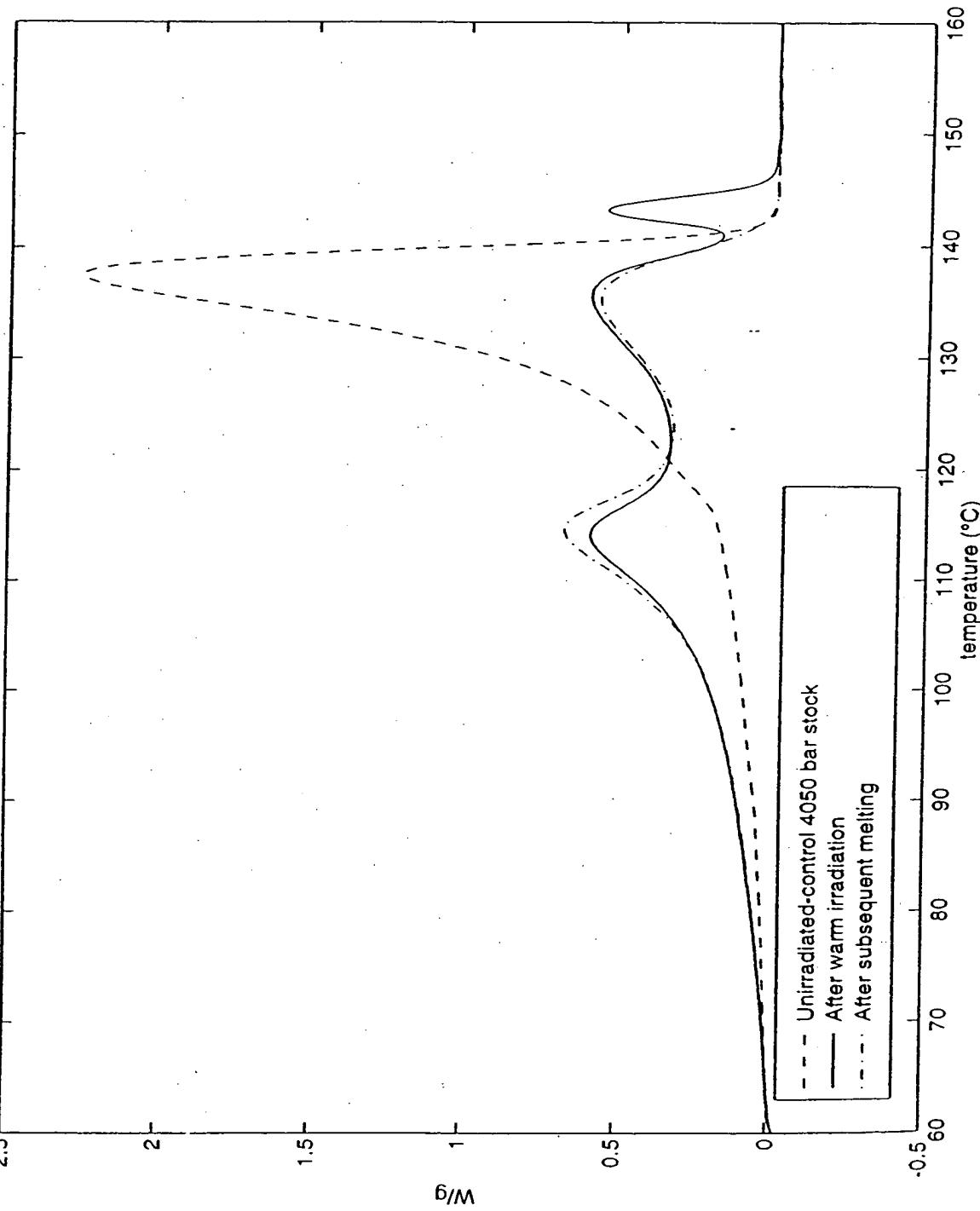
U.S. Serial No. 10/696,709
(Edward W. MERRILL et al.)
RADIATION AND MELT TREATED ULTRA
HIGH MOLECULAR WEIGHT
POLYETHYLENE PROSTHETIC DEVICES
37697-0080

FIG. 8 4050 PreHeat=125°C 140kGy 70kGy/pass at 2cm below the e-beam Incidence surface



U.S. Serial No. 10/696,709
(Edward W. MERRILL et al.)
RADIATION AND MELT TREATED ULTRA
HIGH MOLECULAR WEIGHT
POLYETHYLENE PROSTHETIC DEVICES
37697-0080

FIG. 9 1050 PreHeat=125°C 150kGy 75kGy/pass at 2cm below the e-beam incidence surface



U.S. Serial No. 10/696,709
(Edward W. MERRILL et al.)
RADIATION AND MELT TREATED ULTRA
HIGH MOLECULAR WEIGHT
POLYETHYLENE PROSTHETIC DEVICES
37697-0080

Figure 10: Adiabatic heating of UHMWPE treated by WIR-AM with a pre-heat temperature of 130°C

